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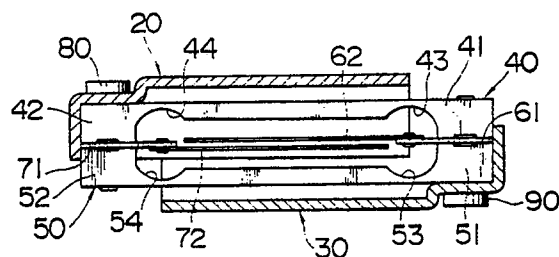
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54 Capacitance type weight sensor.

57 A capacitance type weight sensor comprises an upper stricture member integrately forming the upper half of a stationary strut portion, the upper half of a movable strut portion and an upper beam, and a lower stricture member integrately forming the lower half of the stationary strut portion, the lower half of the movable strut portion and a lower beam. The upper stricture member has a thick-walled portion forming the upper half of the stationary strut portion and one end portion of the upper beam at one end thereof, a thick-walled portion forming the upper half of the movable strut portion and the other end portion of the upper beam at the other end thereof and an intermediate portion connecting the thick-walled portions at the one end and the other end thereof through a thin-walled striction portion engraved in a circular-arc groove shape and forming the intermediate portion of the upper beam. The lower stricture member has a thick-walled portion forming the lower half of the stationary strut portion and one end portion of the lower beam at one end thereof, a thick-walled portion forming the lower half of the movable strut portion and the other end portion of the lower beam at the other end thereof and an intermediate portion connecting the thick-walled portion at the one end and the other end thereof through a thin-walled striction portion engraved in a

circular-arc groove shape and forming the intermediate portion of the lower beam. The one end thick-walled portion of the upper stricture member and the one end thick-walled portion of the lower stricture member are coupled and fixed together with a base by means of a single unit of fixing members, so as to have one end of the stationary electrode sandwiched therebetween, and the other end thick-walled portion of the upper stricture member and the other end thick-walled portion of the lower stricture member are coupled and fixed together with a bowl receptacle by means of a single unit of fixing members, so as to have one end of the movable electrode sandwiched therebetween. The electrodes may be provided with deformable adjusting pieces.

FIG. 2



EP 0 302 396 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	FR-A-2 459 462 (TESTUT AEQUITAS) * Page 2, lines 32-36; page 3, lines 34-37; figure 1 * ---	1	G 01 G 7/06
A	EP-A-0 173 310 (ARMOUR PHARMACEUTICAL CORP.) * Page 4, lines 10-25; figure 1 * ---	1	
A	EP-A-0 017 581 (TESTUT AEQUITAS) * Abstract; figure 1 * ---	1	
A	EP-A-0 033 706 (TESTUT AEQUITAS) * Page 5, lines 12-27; figures 5,6 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			G 01 G G 01 L
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	20-03-1990	GANCI P.A.	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	